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APPLICATION NO.	. [	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,113		02/20/2004	Qun Feng Liao	372465-01801	5256
37509	7590	11/22/2006		EXAMINER	
DECHER'	T LLP		CASCHERA, ANTONIO A		
P.O. BOX 10004 PALO ALTO, CA 94303				ART UNIT	PAPER NUMBER
				2628	
				DATE MAILED: 11/22/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Astinu Occurrence	10/784,113	LIAO ET AL.					
Office Action Summary	Examiner	Art Unit					
	Antonio A. Caschera	2628					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 18 Se	eptember 2006.						
	_ <del>_</del>						
· <u> </u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>3-20</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>3-20</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subjected to.							
Application Papers	·						
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on 29 December 2005 is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te					

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**DETAILED ACTION** 

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 3-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

Claims 10 and 12, from which 3-9, 11 and 13-20 depend upon, recite the limitation, "the derivatives" in the phrase, "computing an approximation to the derivatives" (see lines 10-12 of claim 10, for example). There is insufficient antecedent basis for this limitation in the claim.

Note, the lack of calculation/computation of the derivate limitation, which would fulfill the lack

of antecedent basis for the limitation, in the claim is important to the calculation of an LOD

value especially since this, "approximation" is computed to the derivative.

Claims 13-20, recite the limitation, "The method" in line 1 of the claims. There is insufficient antecedent basis for this limitation in the claims since claim 12, from which claims 13-20 depend upon, claims, "A program storage device..." Therefore, antecedent basis is lacking since independent claim 12 is of device type and dependent claims 13-30 seem to be of method type.

Response to Arguments

2. Applicant's arguments, see pages 7-11 of Applicant's Remarks, filed 09/1/06, with respect to 35 USC 103(a) rejection of claims 3-20, in view of Donovan et al. and Aono et al., have been fully considered and are persuasive. The prior art rejection of claims 3-20 has been withdrawn. Further note, amendments to claim have added limitations which are not taught by Donovan et al. and/or Aono et al.

## Allowable Subject Matter

3. Claims 10 and 12 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

In reference to claims 10 and 12, the prior art of record (Donovan et al. (U.S. Patent 6,975,319 B1) and Aono et al. (U.S. Patent 6,034,691)) does not explicitly disclose changing the current texture axes of at least one of the cube faces based on assigned face ids to make the current texture axes consistent and continuous between the faces, if neighboring pixels do not have the same face id, in combination with the further limitations of claims 10 and 12.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antonio Caschera whose telephone number is (571) 272-7781. The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:00 AM and 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung, can be reached at (571) 272-7794.

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

571-273-8300 (Central Fax)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (571) 272-2600.

aac

PATENT EXAMINER

11/16/06

KEE M. TUNG